

70km UAV HDMI Video Radio Link

Model: FIM-1440

FIM-1440 mini transceiver is developed based on COFDM technology with 300Mhz-2Ghz for your option for long range. It is widely used for Drones air to ground 50-70km range and robot ground to ground NLOS 1-2km HD Video transmitting. With Ethernet and HDMI interface, the receiver could output video to PC and monitor at same time.

Features:

- Air to ground: 50-70km
- Ground to ground: NLOS 1-2KM
- 1*100Mbps Ethernet interface to output video to PC
- Frequency: 300Mhz-2Ghz for option
- Video Output: HDMI and IP
- Bandwidth: 2/4/8Mhz
- Sensitivity: -108dbm
- Light weight: 200g



Wireless Channel	300Mhz-2Ghz for your option
Communication Bandwidth	2/4/8MHZ
RF Transmission Power	2.5W
Data Rates	1.5/3/6Mbps
RX Sensitivity	-108dbm@2Mhz/-103dbm@4Mhz/-97dbm@8Mhz
Encryption	AES128
End to End latency	50-70ms for 1080P60/720P60 encoding and decoding
Interfaces on Tx	1080P60 HDMI RX×1
	Power Input Interface--XT30 Industrial Grade ×1
	USB 2.0--Connecting with PC for configure
	SMA RF ×1
Interfaces on Rx	1080P60 HDMI Mini ×1
	LCD--Displaying RSSI and link state.
	Buttons×5--For configuring receiver model.
	Power Input Interface--XT60 Industrial Grade ×1
	SMA RF ×1
	Ethernet to RJ45 ×1
Wireless Fault Tolerance	FEC/MPEG

Modulation	DVB-T/DVB-T2/DVB-T2
Distance Range	Air to ground: 50-70km Notes: True distance is related to the environment.
	Ground to ground: NLOS 1-2km
Start Time	5s
Power Input	DC 14-18V(Tx)(DC16V is suggested) DC 10-14V(Rx)(DC12V is suggested)
Re-connection time	Less than 1s after signal has been recovered
Adjustment of COFDM	QPSK one-way
Power Consumption (Maximum)	Transmitter terminal: 25W Receiver terminal: 11W
Temperature Range	Operating temperature: -40—85℃ Storage temperature: -55 - 125℃
Dimensions	TX: 97×57×30mm RX: 91×72×30mm
Radiator	Fan cooler or aluminum heat sink
Gram	TX: 200g RX: 202g
Metal Case	Conductive anodizing craft
	CNC Technology
	Double Aluminum Alloy Shell

Dimension

TX: 97×57×30mm

RX: 91×72×30mm

Weight: 200g

